

### **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application.

#### **Listing of Claims:**

1. (Currently Amended) A method for treating protracted ~~establishing effective term~~ labor in women, comprising the step of:

administering to a pregnant woman an effective amount of at least one sulfated glycosaminoglycan selected from the group consisting of heparan sulfate, depolymerised heparan sulfate, dermatan sulfate, depolymerised dermatan sulfate, low molecular weight ~~heparan~~ heparin and depolymerised ~~heparan~~ heparin, said sulfated glycosaminoglycan having an anticoagulant activity of 100 BP units/mg or less to ~~prophylactically~~ prime or curatively treat the cervix and myometrium and for the ~~prevention or treatment~~ of slow progress of term labor.

2. (Previously Presented) The method according to claim 1, wherein the at least one glycosaminoglycan comprises at least one glycosaminoglycan selected from the group consisting of heparan sulfate and depolymerised heparan sulfate.

3. (Cancelled).

4. (Previously Presented) The method according to claim 1, wherein the at least one glycosaminoglycan comprises at least one glycosaminoglycan selected from the group consisting of dermatan sulfate and depolymerised dermatan sulfate.

5. (Currently Amended) The method according to claim 1, wherein the at least one glycosaminoglycan comprises depolymerised ~~heparan~~ heparin having an average molecular weight below 10 000 Da.

6. (Previously Presented) The method according to any one claims 1, 2, 4 or 5, wherein the at least one glycosaminoglycan has an anticoagulant activity of 30 BP units/mg or less.

7. (Cancelled).

8. (Previously Presented) The method according to claim 1, wherein the at least one glycosaminoglycan is administered in combination with oxytocin.

9. (Previously Presented) The method according to claim 1, wherein the at least one glycosaminoglycan is administered topically in a topical pharmaceutical preparation.

10. (Previously Presented) The method according to claim 1, wherein the at least one glycosaminoglycan is administered in a parenteral pharmaceutical preparation.

11. (Currently Amended) The method according to claim 5, wherein the at least one glycosaminoglycan comprises depolymerised ~~heparan~~ heparin having a molecular weight not higher than 6,000 Da.

12. (New) A method according to claim 1, wherein the step of administering to a pregnant woman occurs only during term labor.

13. (New) A method according to claim 1, wherein the step of administering is to a pregnant woman not eligible for an antithrombotic therapy.

14. (New) A method according to claim 1, wherein the least one sulfated glycosaminoglycans is administered for a period of 1-30 days starting during the period wherein labor is defined as term labor.

15. (New) A method according to claim 1, wherein the step of administering is to a pregnant woman not eligible for an antithrombotic therapy and the least one sulfated glycosaminoglycans is administered for a period of 1-30 days starting during the period wherein labor is defined as term labor.